

ENHANCE MOBILITY OF A BLUETOOTH HEADSET BEYOND THE REACH
SUPPORTED BY BLUETOOTH

ABSTRACT OF THE DISCLOSURE

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A communications system such as a local area data network is equipped with a plurality of access points each capable of emulating either a phone mated with a wireless headset, the wireless headset, or both and establishing a link between access points emulating the phone and the headset. When the phone is within range of an access point and the wireless headset moves out of range with the phone but within range of an access point, the access point within range of the phone emulates the headset, the access point within range of the headset emulates the phone, and a communications path is established (if necessary) between the access points. In this manner, the effective range of the headset with respect to the associated phone is extended beyond a distance limit for a wireless communications protocol, such as Bluetooth, employed for the headset and phone.